

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [34] of the Specification as follows:

[34] FIG. 3 is a block diagram of [[a]]an inter-mesh network handoff in accordance with an embodiment of the invention.

Please amend paragraph [47] of the Specification as follows:

[47] FIG. 3 is a block diagram 300 of [[a]]an inter-mesh network handoff in accordance with an embodiment of the invention. Referring to FIG. 3, there is shown a first cell 302 corresponding to a first mesh network having an access point AP1 302a and a second cell 304 corresponding to a second mesh network having an access point AP2 304a. Located in the first cell is an access device 306. Inter-mesh handoff may involve handoff from a first serving access point, for example access point 302a, to a second access point, for example access point 304a, both access points being located within different cells or on different mesh networks. For example, an inter-mesh network handoff may occur from access point 302a to 304a.

Application No. 10/606,565
Reply to Office Action of March 21, 2007

Please amend paragraph [57] of the Specification as follows:

[57] Processor 604 may be adapted to control transmitter 606 to transmit a first signal from, for example, a first antenna element or sector of beamforming antenna [[]]614. Similarly, processor 604 may be adapted to control receiver 612 to receive a second signal that may be transmitted from a second beamforming antenna coupled to the second access point. [[]]Alternatively, processor 604 may be adapted to control transmitter 606 to transmit a first signal via a wired connection coupling the first and second access points. Similarly, processor 604 may be adapted to control receiver 612 to receive a second signal that may be transmitted from the second access point to the first access point via a wired connection.

Please amend paragraph [60] of the Specification as follows:

[60] A first signal may be transmitted from a first beamforming antenna to the second access point. The first beamforming antenna may be coupled to the first access point. Similarly, a second signal may be transmitted from a second beamforming antenna to the first access point. The second beamforming antenna may be coupled to the second access point. A path for facilitating transmission of the first signal between the first beamforming antenna and the second beamforming antenna may be an uplink channel. Also, a path for facilitating transmission of the second signal between the second beamforming antenna and the first beamforming antenna may be a downlink channel.

Application No. 10/606,565
Reply to Office Action of March 21, 2007

The uplink channel and the downlink channel may be a backhaul channel. A backhaul link or channel between mesh network access points may be utilizing a higher data rate protocol than the individual mesh networks or cells. In this regard, the backhaul link or channel may utilize 802.11a while the individual cell may utilize 802.11b or 802.11g. Additionally, the backhaul channel or link may utilize long distance type wireless standards such as 802.16.